FIG.1

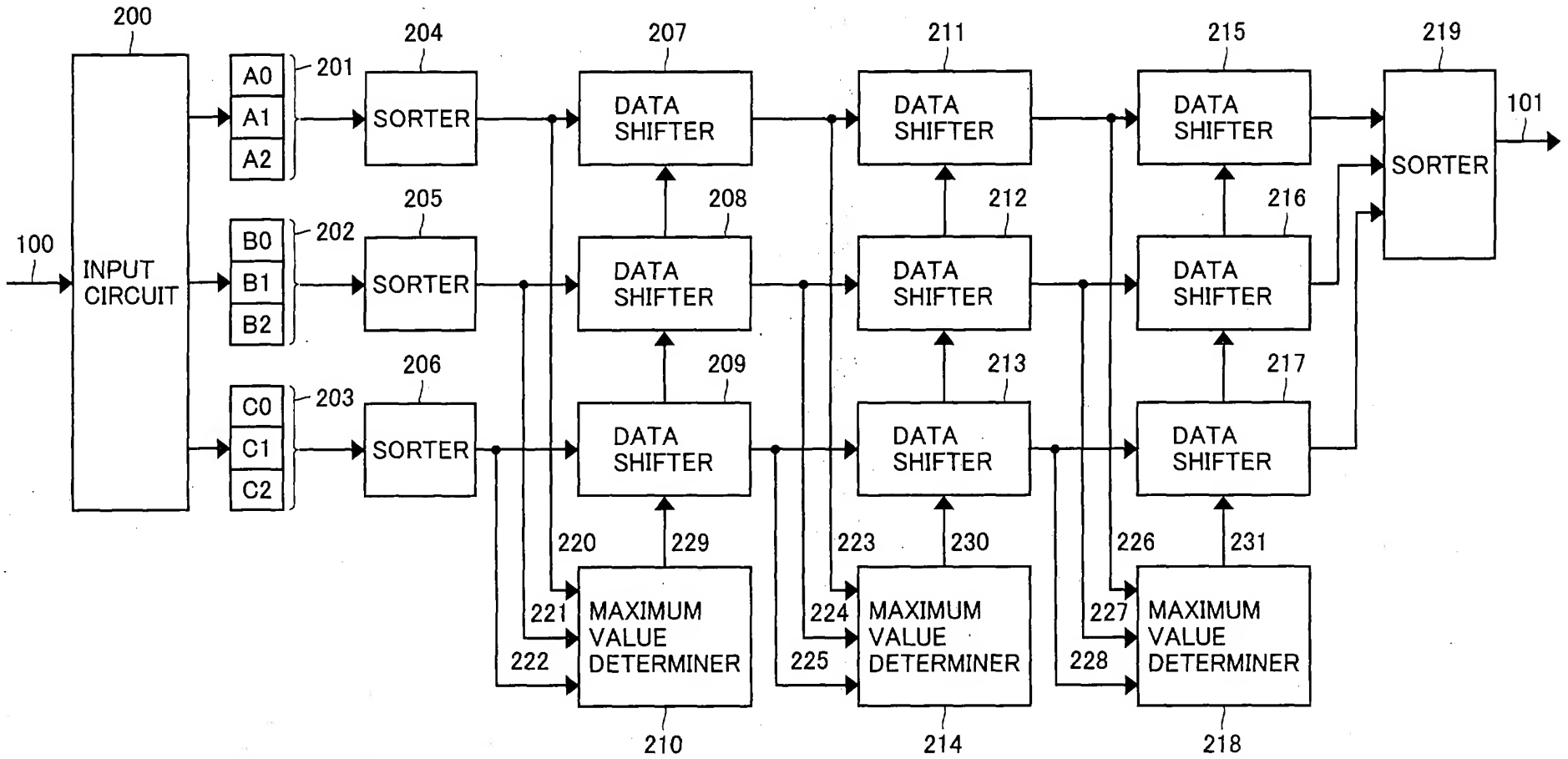
200
100
INPUT CIRCUIT
A0
A1
A2
201
B0
B1
B2
202
C0
C1
C2
203
204
SORTER
205
SORTER
206
SORTER
207
DATA SHIFTER
208
DATA SHIFTER
209
DATA SHIFTER
211
DATA SHIFTER
212
DATA SHIFTER
213
DATA SHIFTER
215
DATA SHIFTER
216
DATA SHIFTER
217
DATA SHIFTER
219
SORTER
101
220
221
222
MAXIMUM VALUE DETERMINER
210
223
224
225
MAXIMUM VALUE DETERMINER
214
226
227
228
MAXIMUM VALUE DETERMINER
218
229
230
231

FIG.2A

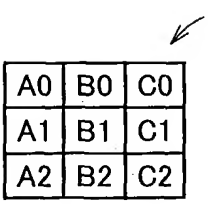

FIG.2B

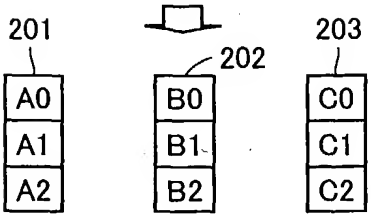

FIG.2C

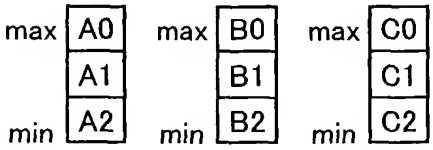

FIG.2D

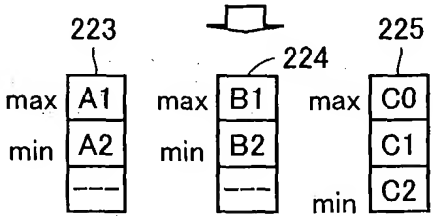

FIG.2E

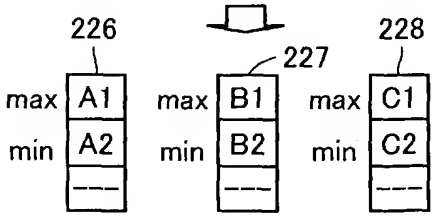

FIG.2F

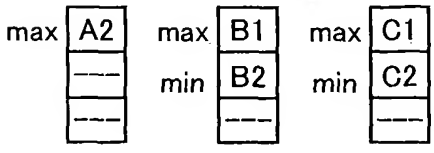

FIG.2G

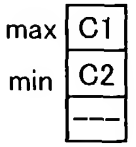

FIG.3

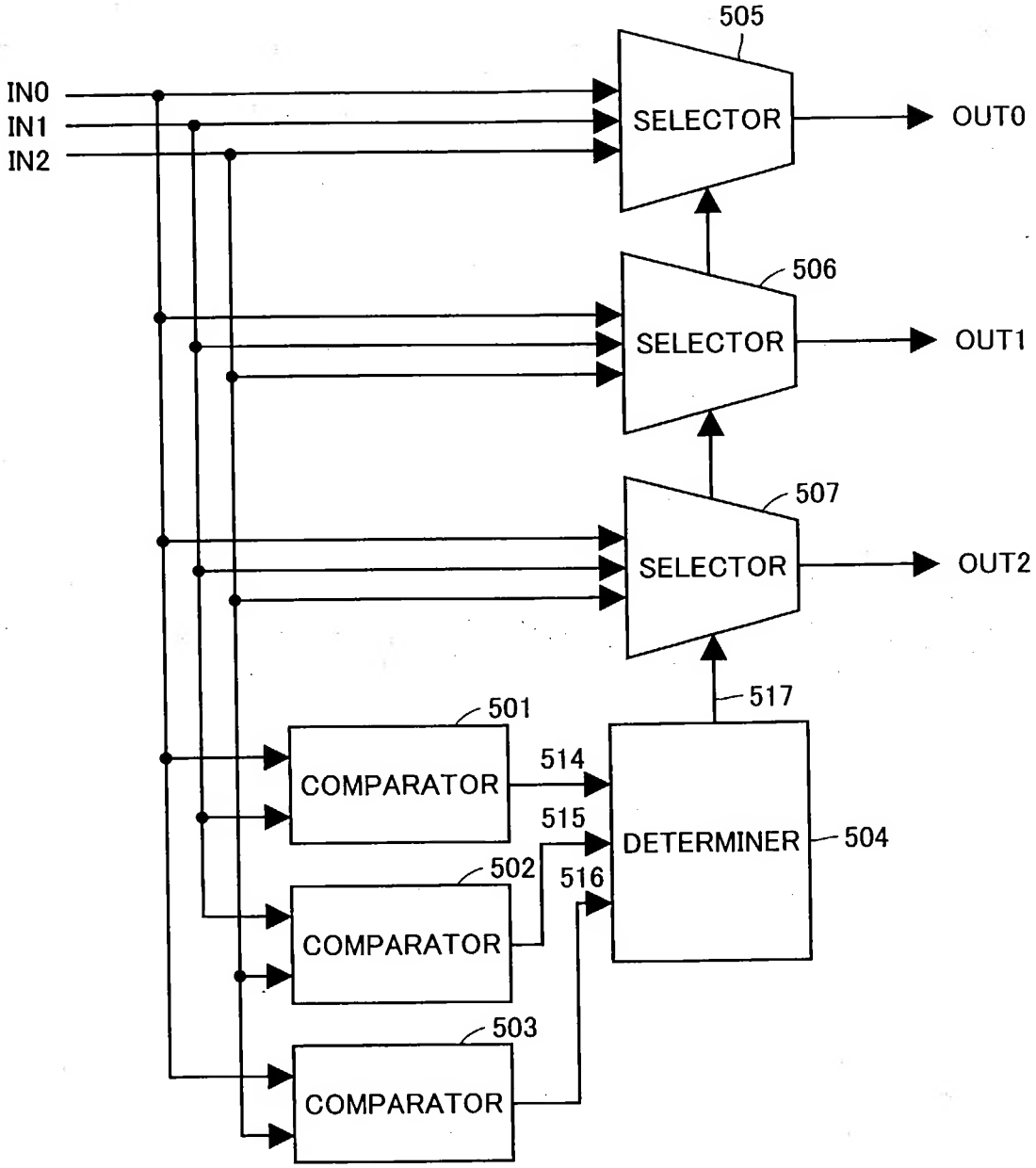
505
IN0
IN1
IN2
SELECTOR
OUT0
506
SELECTOR
OUT1
507
SELECTOR
OUT2
517
501
COMPARATOR
514
515
DETERMINER
504
502
COMPARATOR
516
503
COMPARATOR

FIG.4

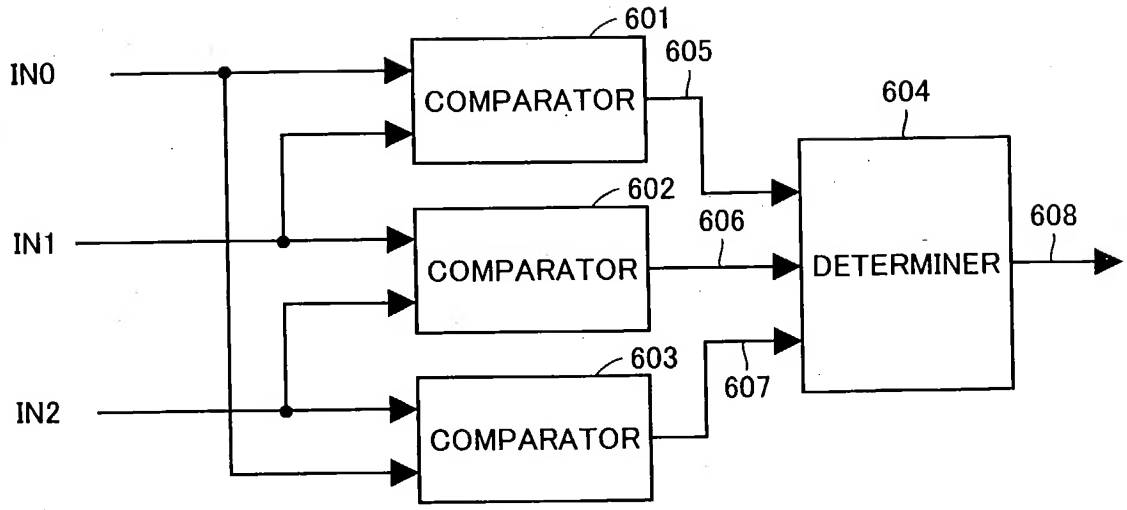
IN0
IN1
IN2
COMPARATOR
COMPARATOR
COMPARATOR
DETERMINER
601
602
603
604
605
606
607
608

FIG.5

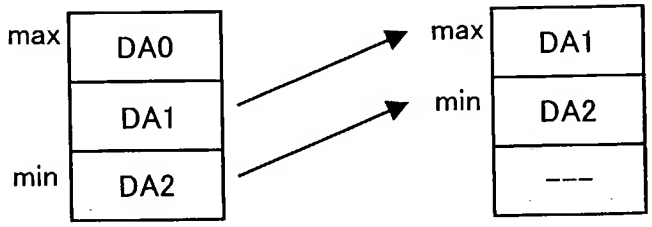
max
DA0
DA1
min
DA2
max
DA1
min
DA2

FIG.6A

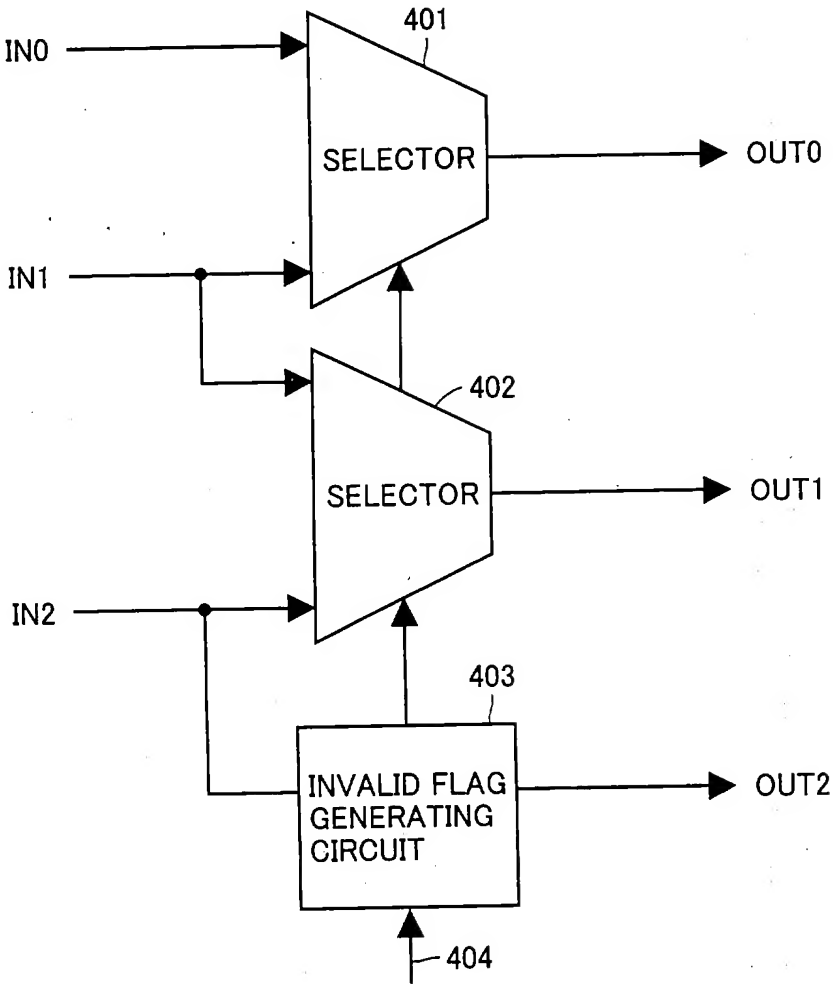

FIG.6B

OUTPUT	404: SHIFT SIGNAL	
	ON	OFF
OUT0	IN1	IN0
OUT1	IN2	IN1
OUT2	INVALID	IN2

FIG.7

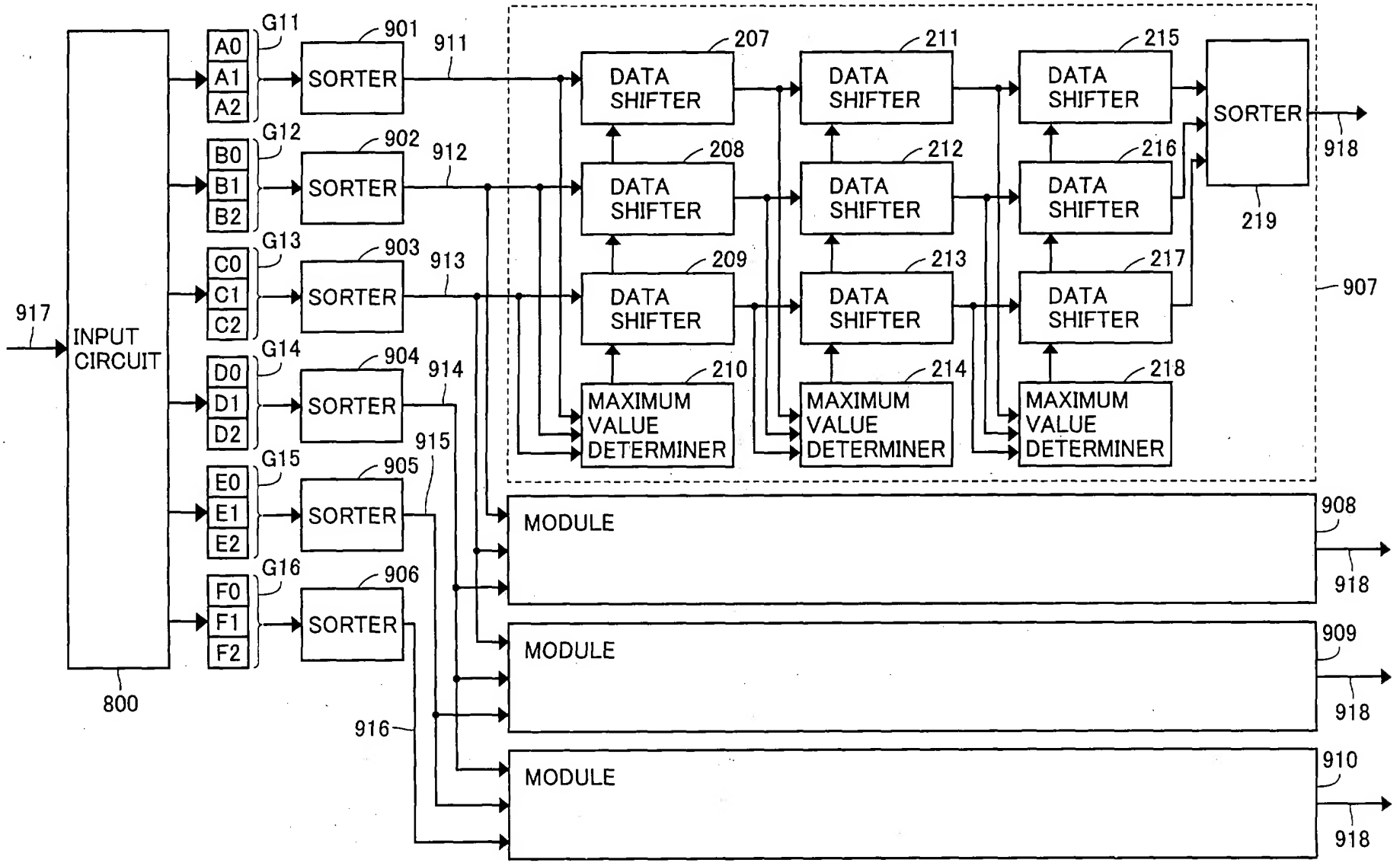
917
INPUT CIRCUIT
800
A0
A1
A2
B0
B1
B2
C0
C1
C2
D0
D1
D2
E0
E1
E2
F0
F1
F2
G11
G12
G13
G14
G15
G16
SORTER
901
902
903
904
905
906
911
912
913
914
915
916
DATA SHIFTER
207
208
209
211
212
213
215
216
217
MAXIMUM VALUE DETERMINER
210
214
218
SORTER
219
907
MODULE
908
909
910
918

FIG.8

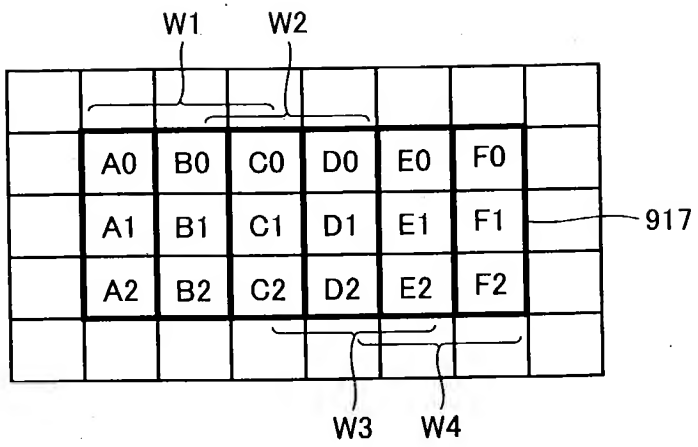
W1
W2
A0
B0
C0
D0
E0
F0
A1
B1
C1
D1
E1
F1
A2
B2
C2
D2
E2
F2
917
W3
W4

FIG.9

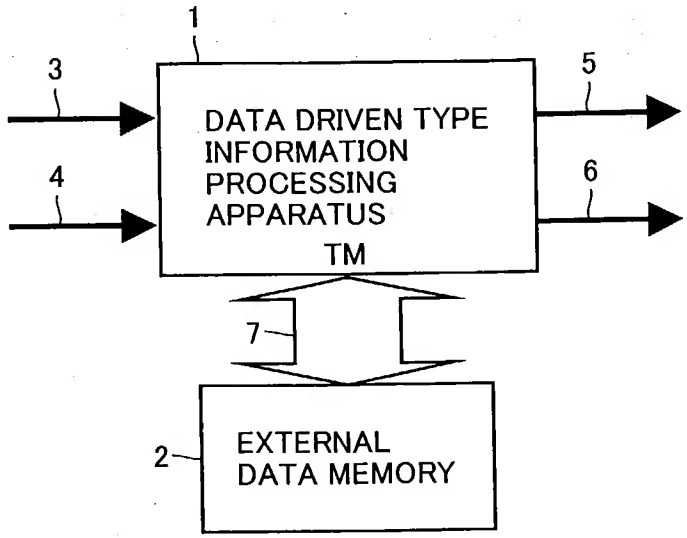
1
3
4
5
6
DATA DRIVEN TYPE INFORMATION PROCESSING APPARATUS
TM
7
2
EXTERNAL DATA MEMORY

FIG.10

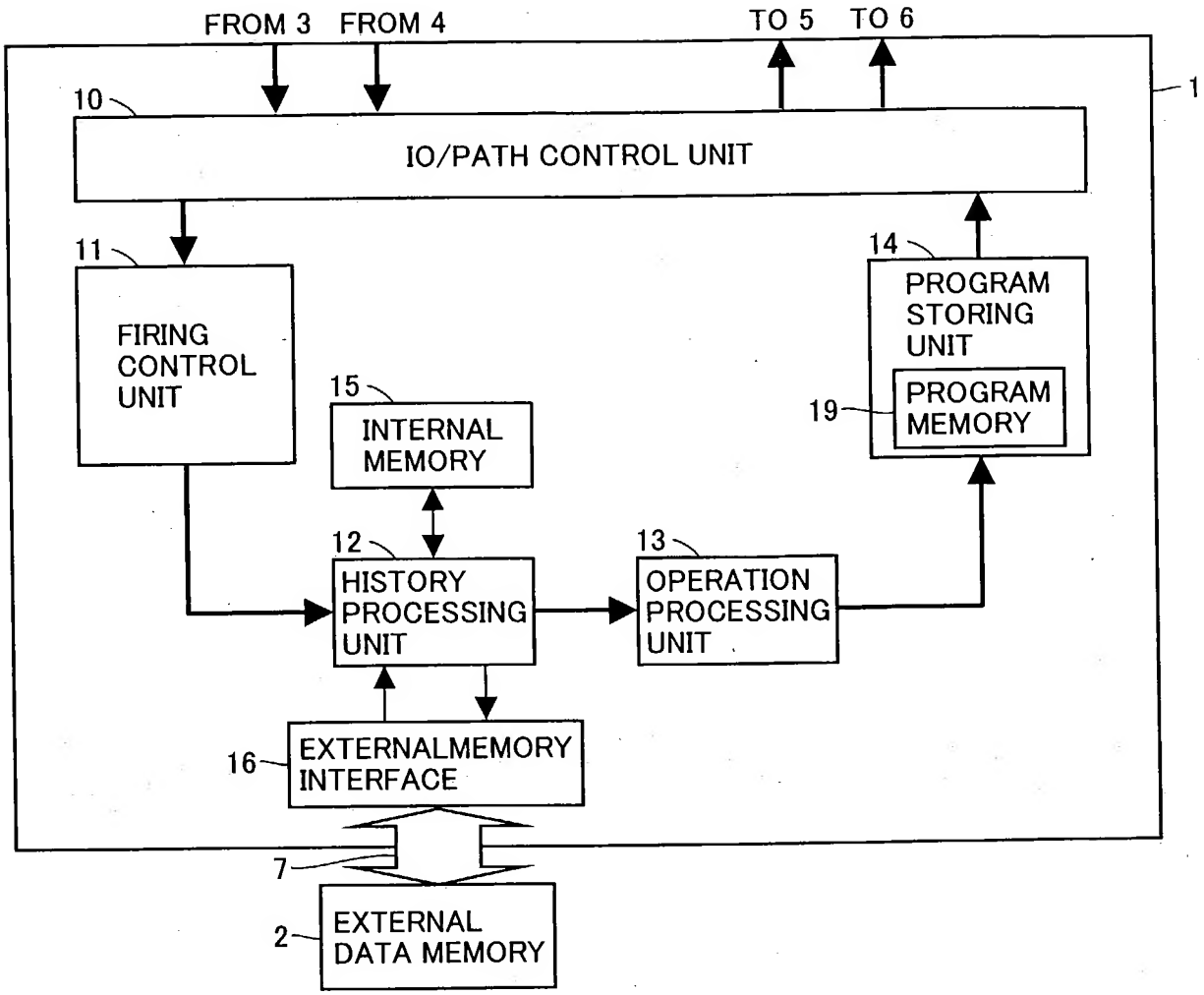
FROM 3
FROM 4
TO 5
TO 6
1
10
IO/PATH CONTROL UNIT
11
FIRING CONTROL UNIT
14
PROGRAM STORING UNIT
19
PROGRAM MEMORY
15
INTERNAL MEMORY
12
HISTORY PROCESSING UNIT
13
OPERATION PROCESSING UNIT
16
EXTERNALMEMORY INTERFACE
7
2
EXTERNAL DATA MEMORY

FIG.11

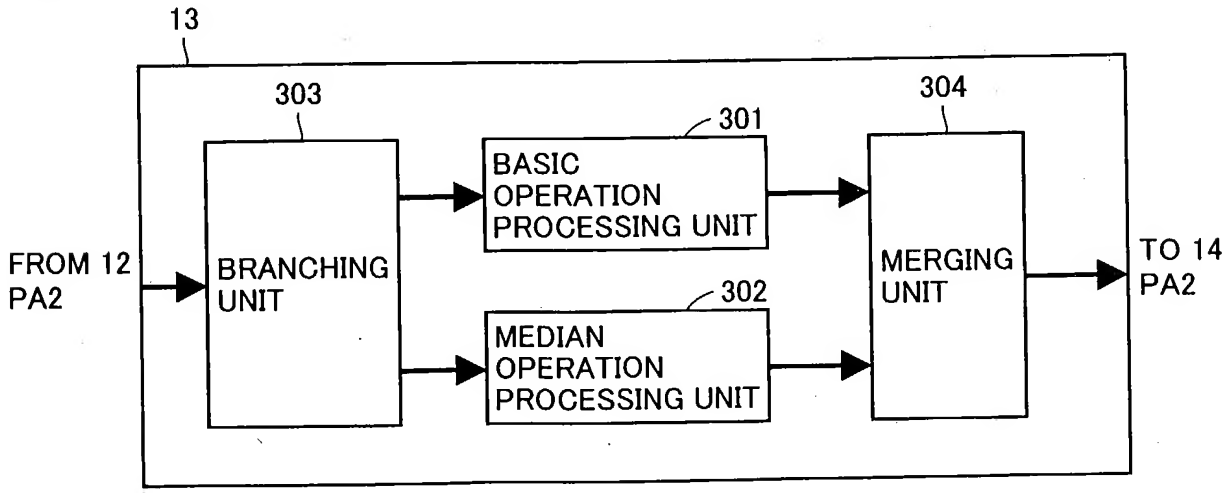
13
303
301
304
FROM 12
PA2
BRANCHING UNIT
BASIC OPERATION PROCESSING UNIT
302
MEDIAN OPERATION PROCESSING UNIT
MERGING UNIT
TO 14
PA2

FIG.12A

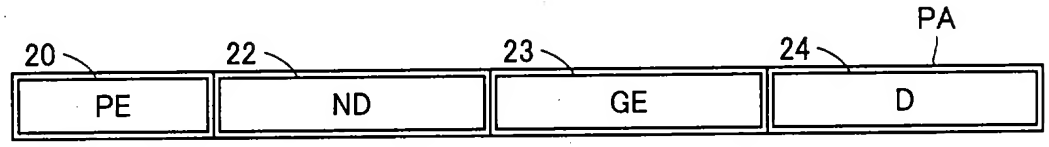

FIG.12B

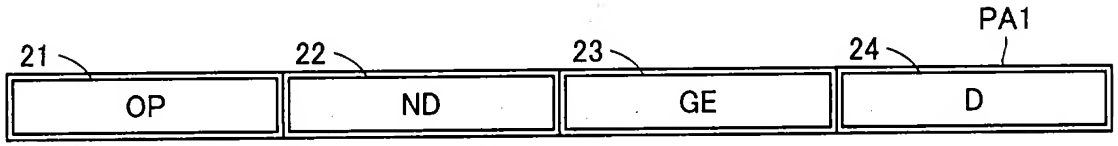

FIG.12C

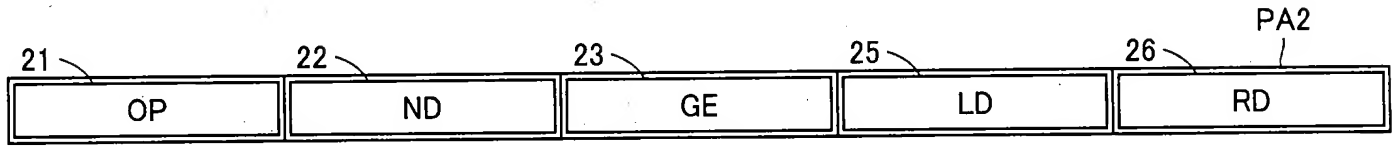

FIG.13A

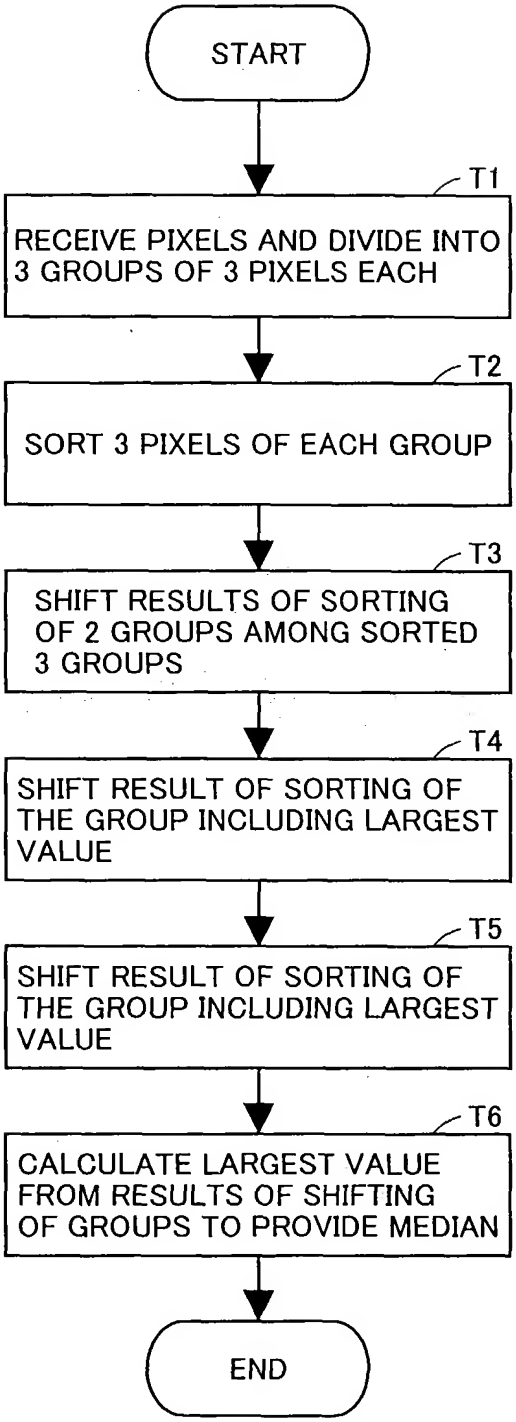

FIG.13B

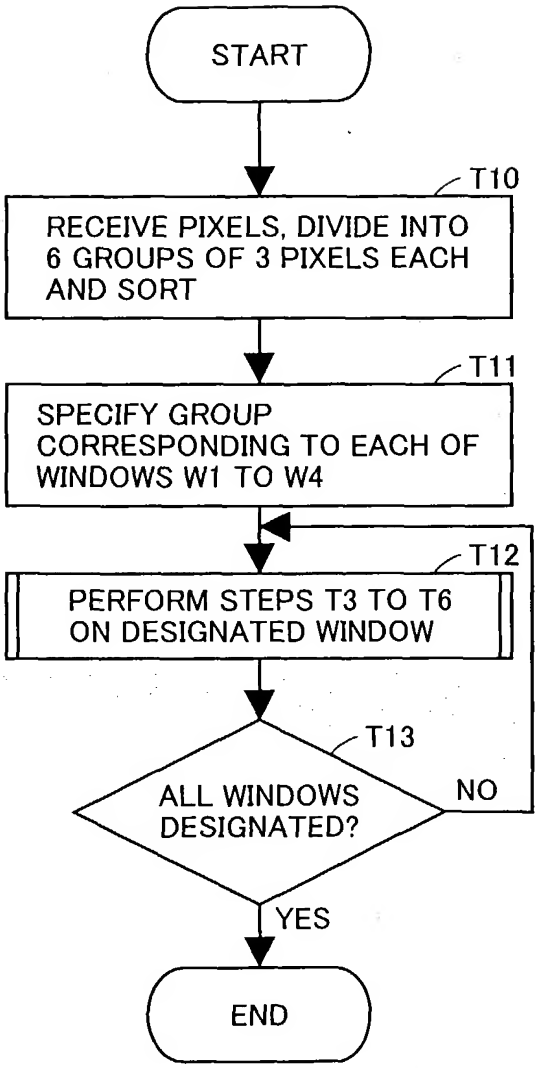

FIG.14

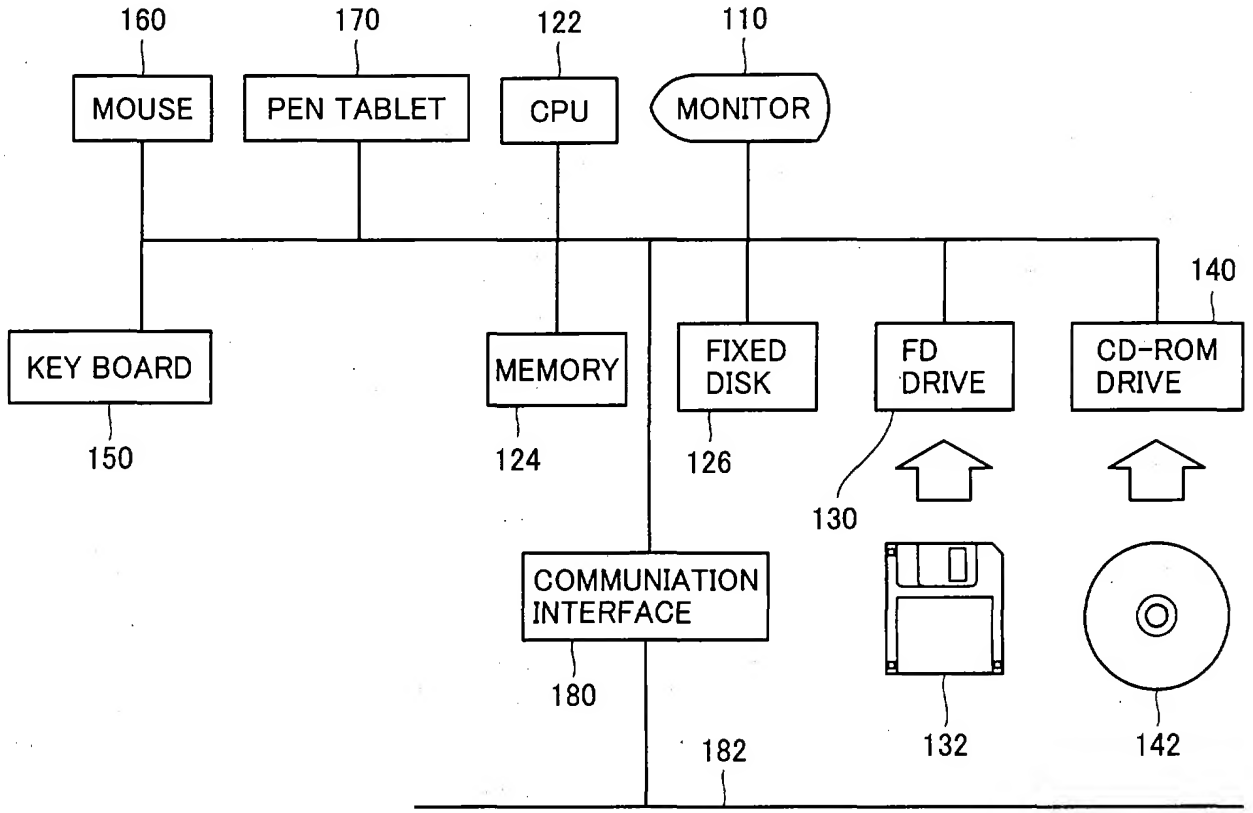
160
170
122
110
MOUSE
PEN TABLET
CPU
MONITOR
140
KEY BOARD
MEMORY
FIXED DISK
FD DRIVE
CD-ROM DRIVE
150
124
126
130
COMMUNIATION INTERFACE
180
182
132
142

FIG.15 PRIOR ART